

WHAT IS CLAIMED IS:

1. A film comprising, as sole layers,
 - (1) at least one layer L1 comprising an aromatic polyamide and an impact modifier, and, optionally,
 - (2) at least one layer L2 comprising an aliphatic polyamide.
2. The film according to claim 1, wherein said aromatic polyamide is a polyphthalamide.
3. The film according to claim 2, wherein said film comprises at least one layer L2, and wherein said aliphatic polyamide is an aliphatic nylon.
4. The film according to claim 1, wherein the impact modifier is selected from the group consisting of EPDM, SEBS, and mixtures thereof.
5. The film according to claim 1, wherein the aromatic polyamide is a polyamide having at least 50 mol. % of recurring units obtained by a polycondensation reaction between at least one dicarboxylic acid selected from the group consisting of phthalic, terephthalic, and isophthalic acids, and at least one aliphatic diamine.
6. The film according to claim 2, wherein the polyphthalamide comprises from about 50 mole % to about 95 mole % hexamethylene terephthalamide units, from about 25 mole % to about 0 mole % hexamethylene isophthalamide units, and from about 50 mole % to about 5 mole % hexamethylene adipamide units.
7. The film according to claim 1, wherein the impact modifier is a rubber.

8. The film according to claim 7, wherein the rubber is a functionalized polyolefin-based rubber.
9. The film according to claim 8, wherein the functionalized polyolefin-based rubber is a maleic anhydride functionalized styrene-ethylene-butylene-styrene block copolymer.
10. The film according to claim 8, wherein the functionalized polyolefin based rubber is a maleic anhydride functionalized ethylene-propylene-diene monomer rubber.
11. The film according to claim 6, wherein the impact modifier is selected from the group consisting of a maleic anhydride functionalized ethylene-propylene-diene monomer rubber, a maleic anhydride functionalized styrene-ethylene-butylene-styrene block copolymer, and mixtures thereof.
12. The film according to claim 1, wherein said layers are contiguous layers of the order $[(L1)_n/(L2)_m]_x$ where x is any integer of 1 or greater, n is any integer of 1 or greater, and m is any integer.
13. The film according to claim 1, wherein said layer L1 further comprises an external lubricant.
14. The film according to claim 13, wherein the external lubricant is selected from the group consisting of polytetrafluoroethylene, low density polyethylene, and mixtures thereof.
15. The film according to claim 1, wherein said layer L1 further comprises a heat stabilizer comprising at least one copper (I) salt and at least one alkali metal halide.

16. The film according to claim 15, wherein said heat stabilizer comprises at least one copper halide selected from the group consisting of copper iodide and copper bromide and at least one alkali metal halide selected from the group consisting of the iodides and bromides of lithium, sodium, and potassium.

17. The film according to claim 1, consisting of, as sole layer, a monolayer comprising an aromatic polyamide and an impact modifier.

18. The film according to claim 1, wherein layer L1 further comprises an anti-oxidant.

19. The film according to claim 20, wherein said anti-oxidant is selected from the group consisting of hindered phenols, amines, and mixtures thereof.

20. A method for making a film comprising, as sole layers,
(1) at least one layer L1 comprising an aromatic polyamide and an impact modifier, and, optionally,
(2) at least one layer L2 comprising an aliphatic polyamide,
comprising extruding an aromatic polyamide and an impact modifier, and optionally extruding an aliphatic polyamide, into a film.

21. The film according to claim 1, comprising, as sole layer(s), at least one layer L1.

22. The film according to claim 21, comprising, as sole layer, one L1 layer.

23. The film according to claim 21, comprising, as sole layers, at least two L1 layers.

24. The film according to claim 1, comprising, as sole layers, at least one layer L1 and at least one layer L2.

25. The film according to claim 24, comprising, as sole layers, two layers, the first one being a L1 layer and the other one being a L2 layer.

26. The film according to claim 25, wherein L1 is the inner layer.

27. The film according to claim 25, wherein L1 is the outer layer.

28. The film according to claim 24, which comprises, as sole layers, three layers of L1/L2/L1, wherein L1 is both an inner and outer layer and L2 is the intermediate layer.